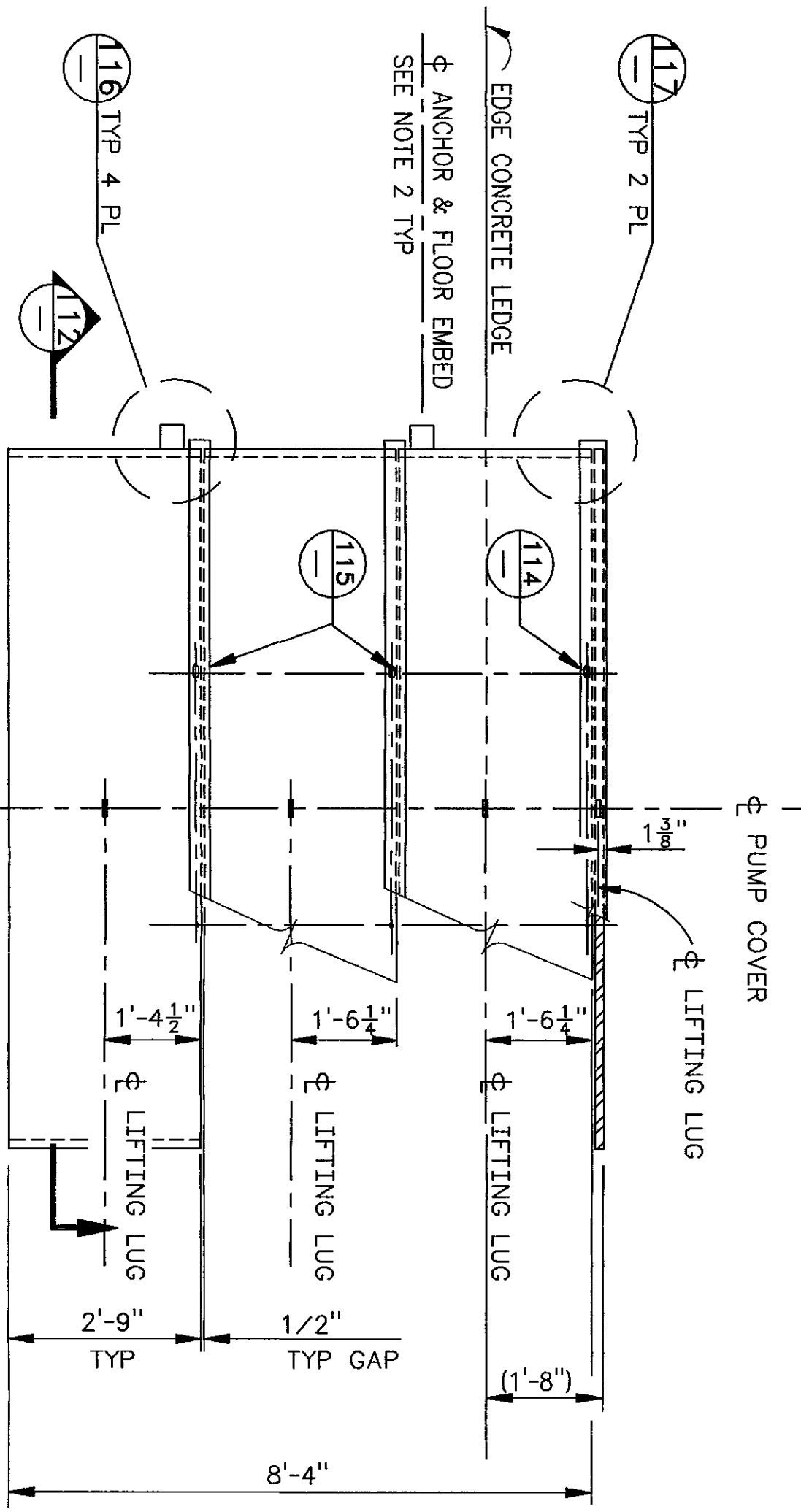
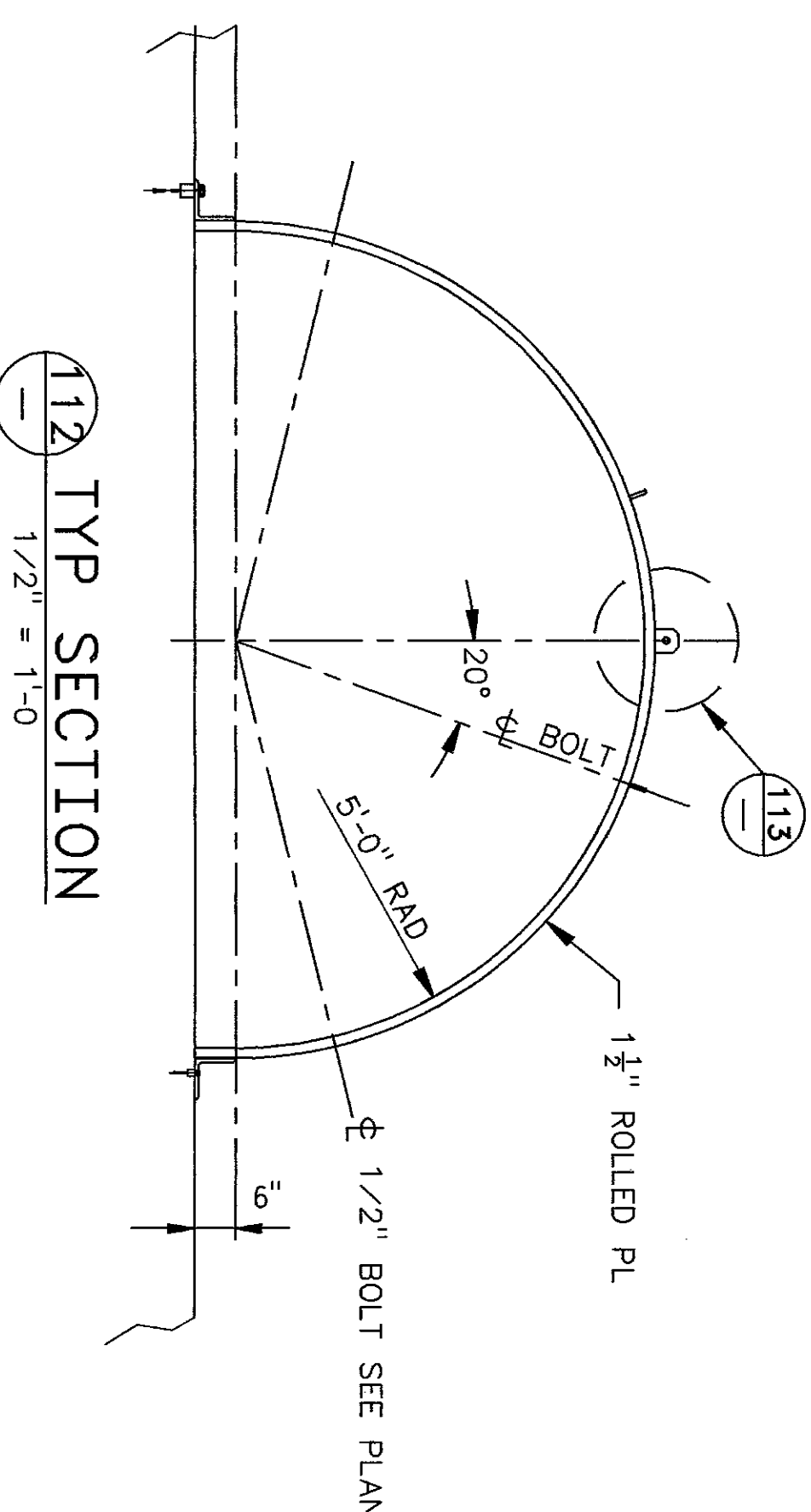


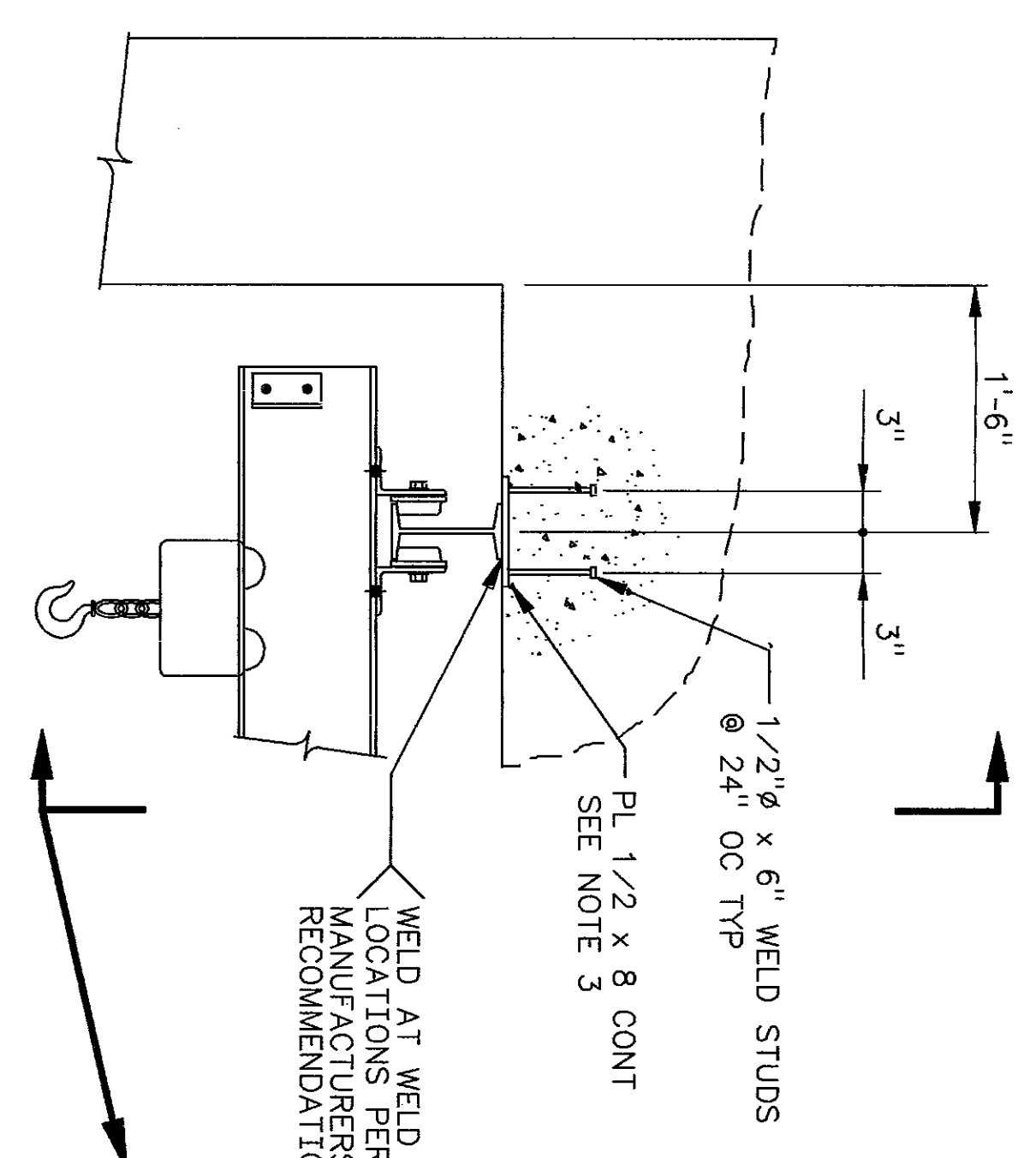
113 TYP LIFTING LUG  
3" = 1'-0"



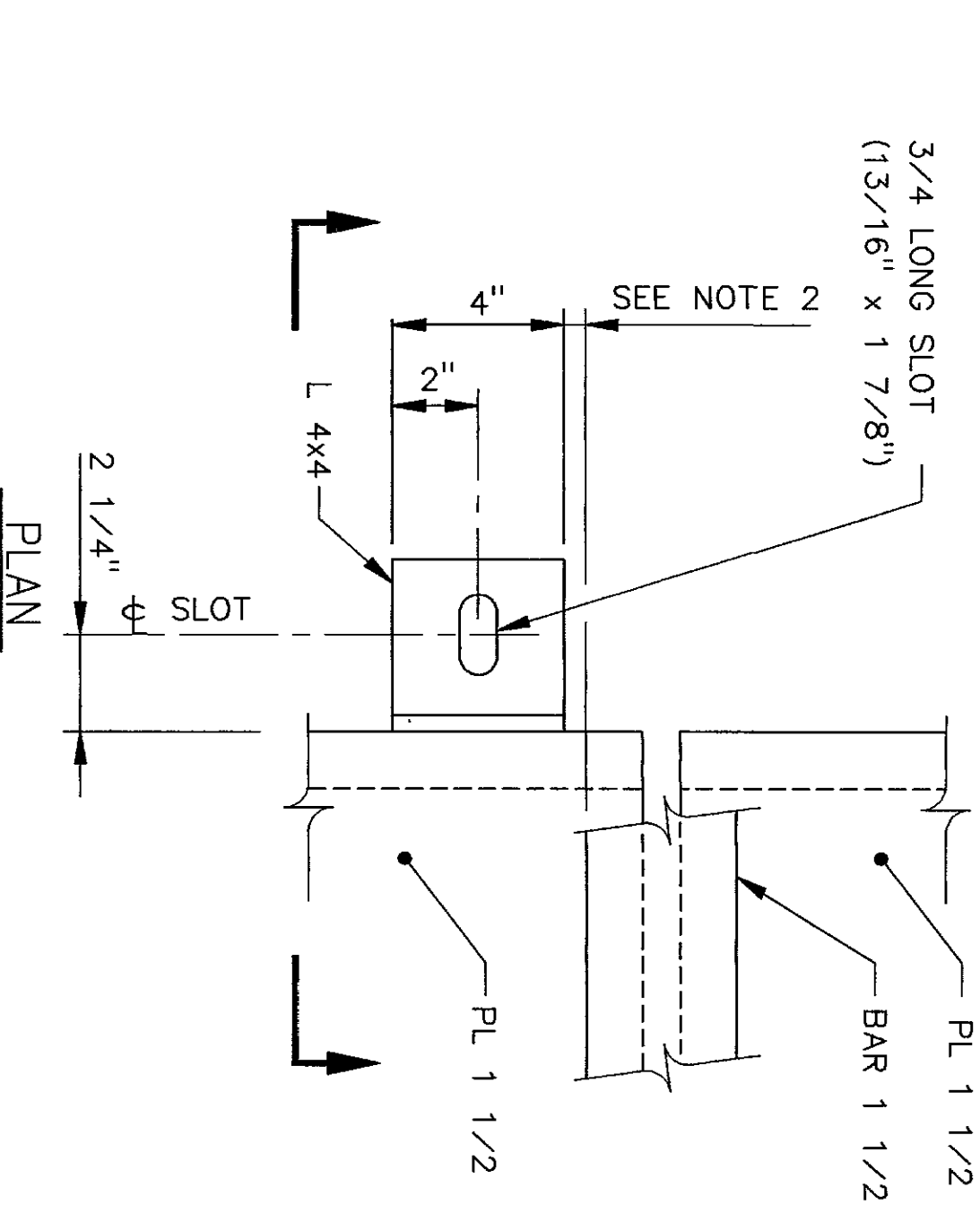
114 PUMP COVER PLAN  
H-2-822238 SCALE: 1/2" = 1'-0"



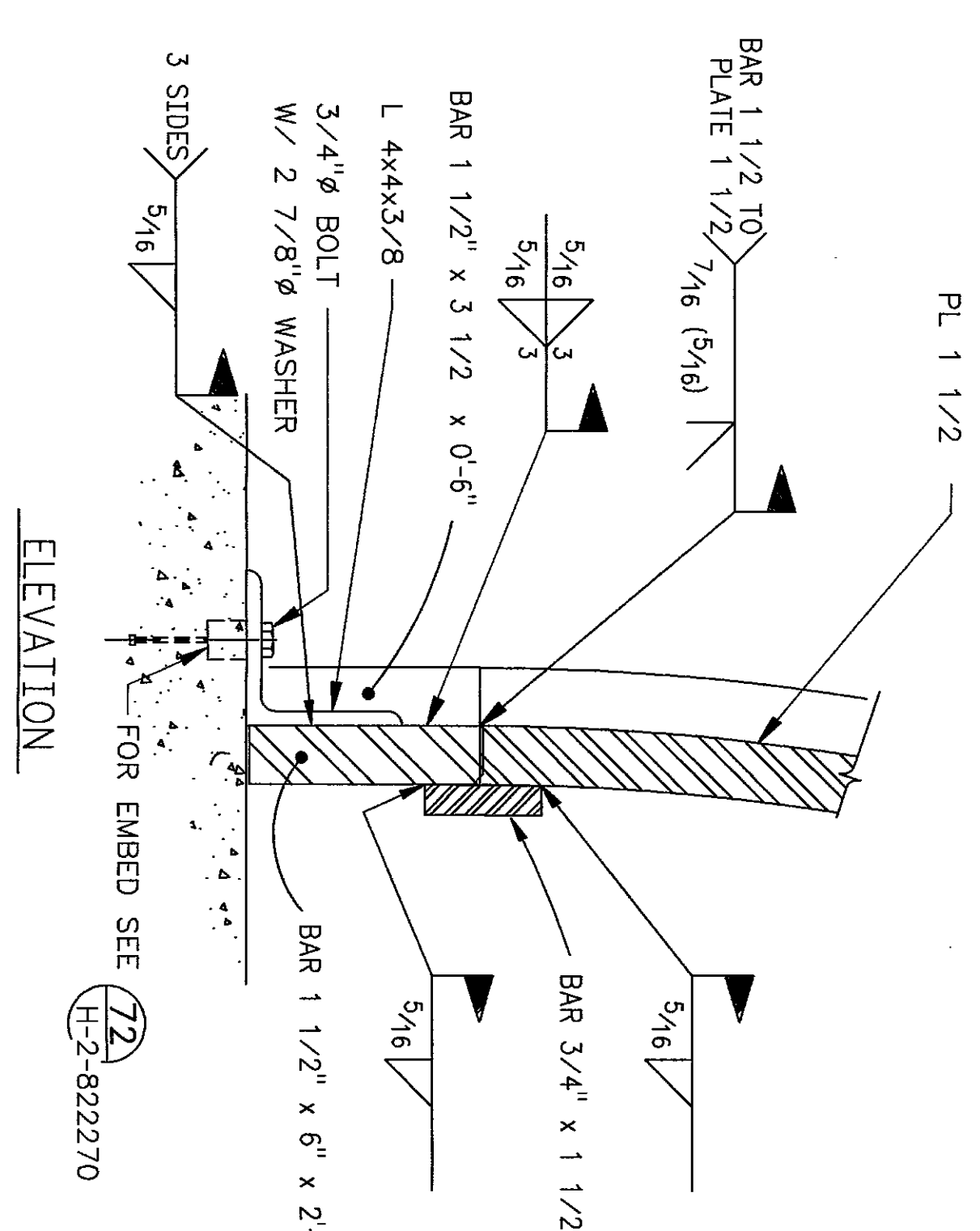
115 TYP SECTION  
1/2" = 1'-0"



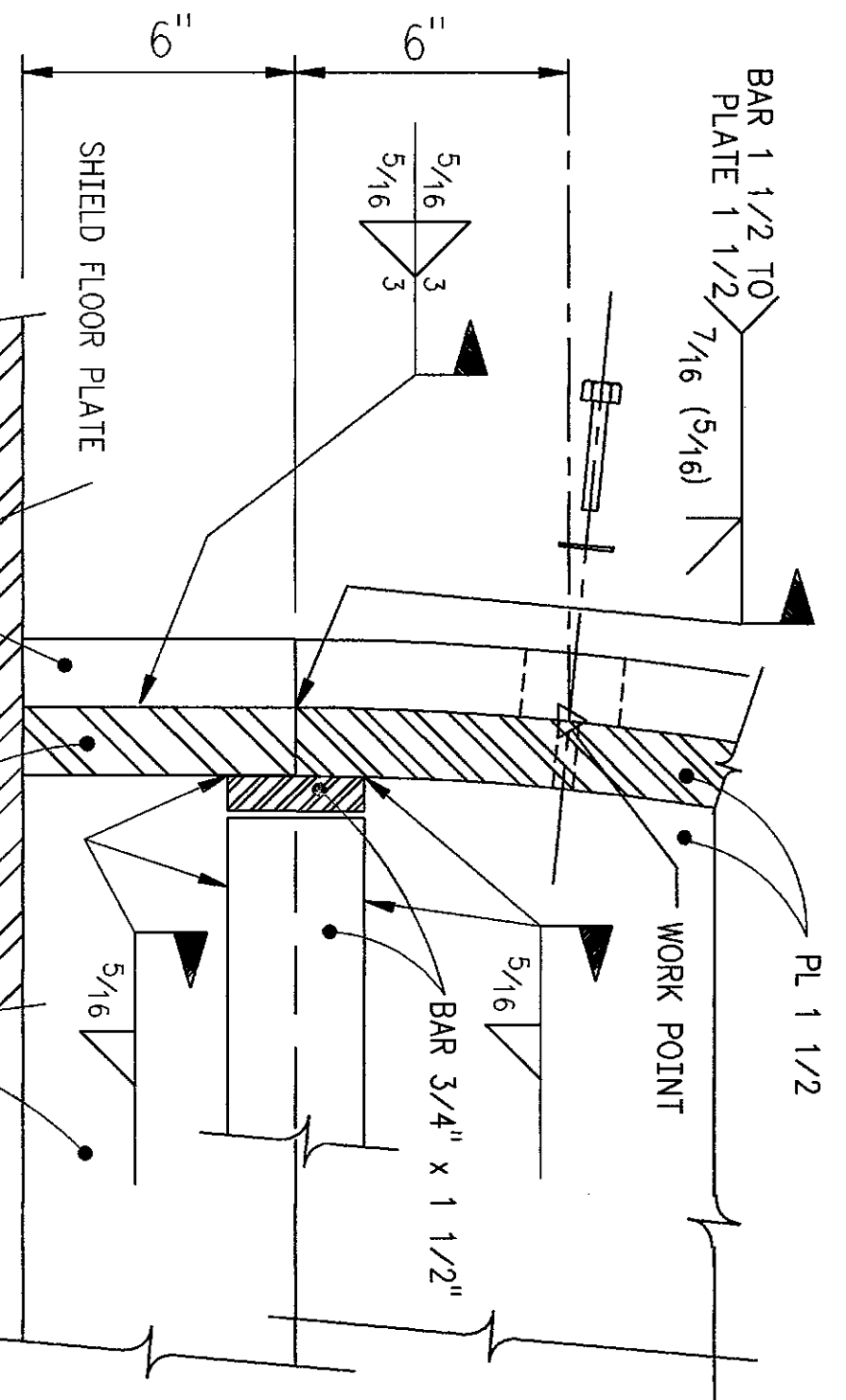
116 PUMP COVER ANCHOR  
3" = 1'-0"



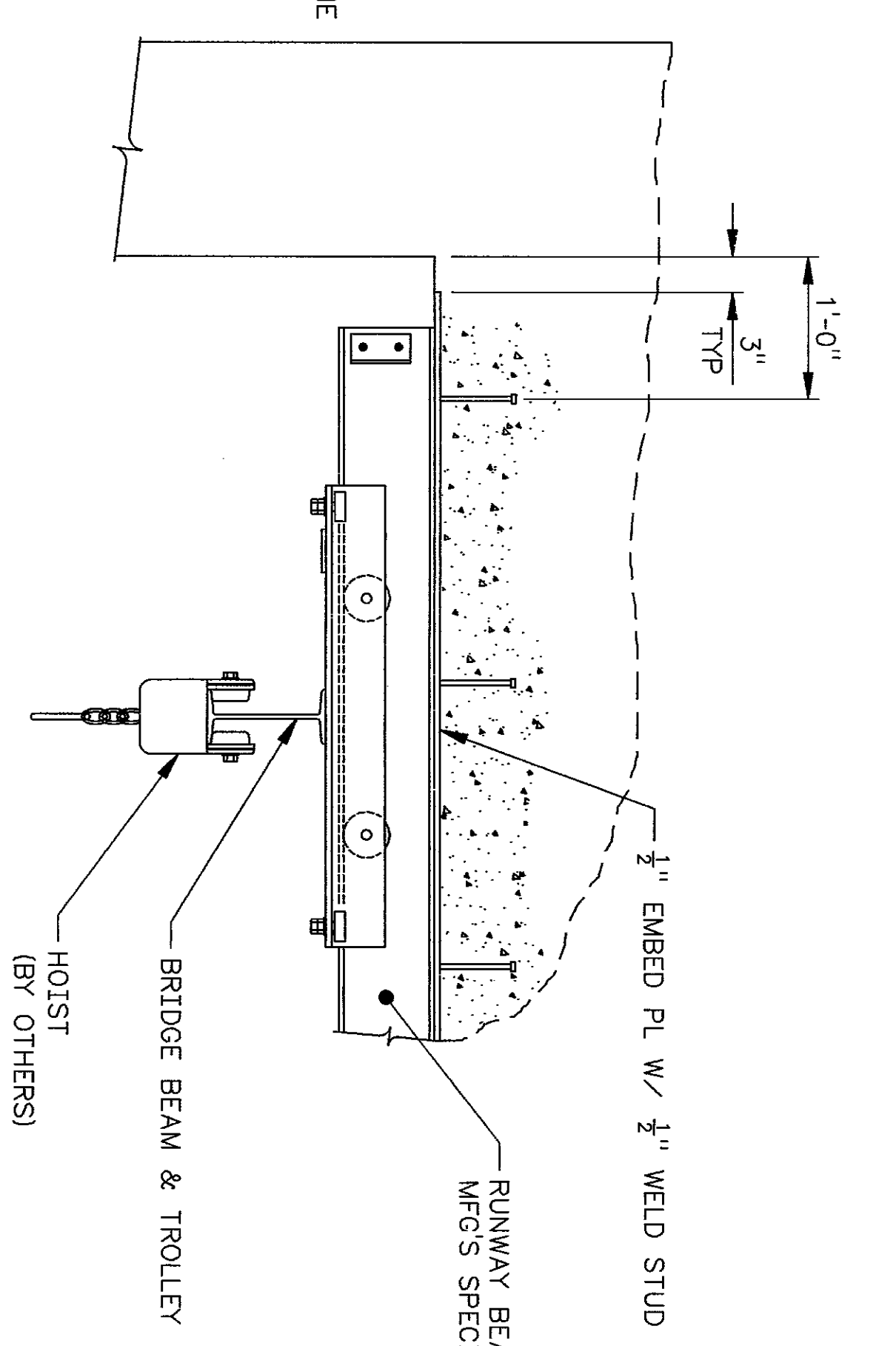
117 END PLATE - 1/2" BOLT  
3" = 1'-0"



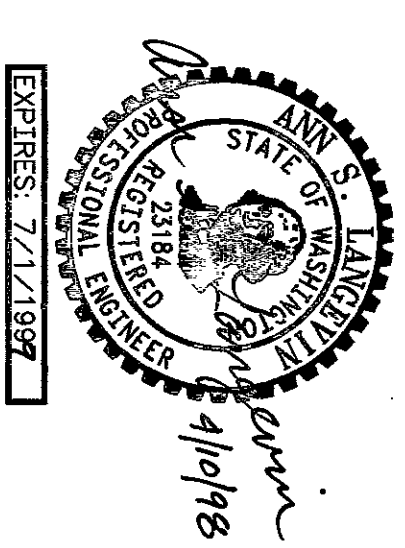
118 SEAM CONNECTION  
SCALE: NONE



119 END PLATE CONNECTION  
SCALE: NONE



BRIDGE RUNWAY SYSTEM  
AND ATTACHMENT DETAIL  
H-2-822240 1" = 1'-0"  
H-6-13988 SEE NOTES 4 & 5



NUMBER	TITLE	DATE	BY	CHKD	APP'D	REVISIONS	DESCRIPTION	DATE	BY	CHKD	APP'D
H-2-822240	BRIDGE RUNWAY SYSTEM AND ATTACHMENT DETAIL	11/2/98	JHM	JHM	JHM	1	INCORPORATED EGN W058-363 HBN	11/2/98	JHM	JHM	JHM
H-2-822238	PUMP COVER PLAN	11/2/98	JHM	JHM	JHM	2	W-058 PROJECT TURNOVER	11/2/98	JHM	JHM	JHM
H-2-822239	PUMP COVER ANCHOR	11/2/98	JHM	JHM	JHM	3	BRIDGE BEAM & TROLLEY	11/2/98	JHM	JHM	JHM
H-2-822240	BRIDGE RUNWAY SYSTEM AND ATTACHMENT DETAIL	11/2/98	JHM	JHM	JHM	4	W-058 PROJECT TURNOVER	11/2/98	JHM	JHM	JHM
H-2-822241	BRIDGE RUNWAY SYSTEM AND ATTACHMENT DETAIL	11/2/98	JHM	JHM	JHM	5	W-058 PROJECT TURNOVER	11/2/98	JHM	JHM	JHM

- NOTES
- FOR STRUCTURAL GENERAL NOTES SEE H-2-822265
  - FIELD LOCATE ANGLES ON 1 1/2" PLATE TO MATCH FLOOR EMBEDMENTS SEE PLAN ON H-2-822239
  - INSTALLATION TOLERANCES OF EMBEDDED PLATE TO BE IN ACCORDANCE WITH CRANE RAIL MANUFACTURER'S SPECIFICATION
  - DESIGN, FABRICATE AND INSTALL MANUALLY DRIVEN BRIDGE RUNWAY SYSTEMS IN ACCORDANCE WITH THE SPECIFICATIONS OF THE CRANE RAIL MANUFACTURER'S ASSOCIATION OF AMERICA (CMAA 74). LOAD RATING SHALL BE 4000 LBS WITH A SERVICE CLASSIFICATION OF CLASS A (STANDY OR INFREQUENT SERVICE) IN ACCORDANCE WITH CMAA 74. PRIOR TO FABRICATION SUBMIT BRIDGE RUNWAY SYSTEM DESIGN DRAWINGS WITH ASSOCIATED MANUFACTURER'S SPECIFICATIONS FOR APPROVAL. IDENTIFICATION NUMBERS OF EACH BRIDGE CRANE SHALL BE: VENT STATION (6241-V) = CRN-VS1
  - PROVIDE ELECTROMAGNET LOAD LIFTER RATED FOR A MINIMUM OF 3000 LBS. RATED FOR OUTDOOR USE. ELECTROMAGNET SHALL BE CAPABLE OF LIFTING LOAD WITH 15 MIL PAINTED SURFACE. EACH UNIT SHALL BE PROVIDED WITH ON-OFF RELEASE SWITCH, ATTACHED CORD AND PLUG. VOLTAGE SHALL BE 120VAC, 1-PHASE, 60 HZ. CORD SHALL BE 3/4" #12 AWG, 600V, 90°C EXTRA FLEXIBLE WITH STRAIN RELIEF DEVICE INSTALLED AT UNIT END OF CORD. 6241-V UNIT PLUG SHALL CONFORM TO NEMA 15-20R RECEPTACLE (TWIST LOCK). EACH UNIT SHALL BE PROVIDED WITH DEVICE FOR CORD STORAGE, AND A MINIMUM OF THE FOLLOWING INFORMATION:
    - RATED LOAD, MANUFACTURER NAME, MODEL NO., POWER SUPPLY REQUIREMENTS, AND DEVICE WEIGHT IN OVER 100 LBS.
    - IDENTIFICATION NUMBERS OF EACH ELECTROMAGNETS SHALL BE: VENT STATION (6241-V) = CRN-VS1A
  - PERFORM THE FOLLOWING TESTS. TESTING SHALL BE WITNESSED BY AN OPERATING CONTRACTOR REPRESENTATIVE. RESULTS SHALL BE DOCUMENTED BY CONTRACTOR QUALITY CONTROL, AND A WRITTEN REPORT PRESENTED TO THE OPERATING CONTRACTOR:
    - A) OPERATIONAL TEST OF TROLLEY AND ELECTROMAGNETIC LOAD LIFTER. THE TROLLEY SHALL INCLUDE TRAVEL OF FULL EXTENT OF HOOK COVERAGE LIMITS. THE LIFTER TEST SHALL INCLUDE LIFTING A MINIMUM OF 3 DIFFERENT SHAPES OF SHIELD PLATE RATES. ONE OF WHICH SHALL BE THE LARGEST SIZE. SHIELD SHALL HAVE A MINIMUM OF 1/2" THICKNESS. SHIELD PLATES SHALL BE LIMITED TO NO MORE THAN 3 ABOVE ADJACENT SURFACE.
    - B) RATED LOAD TEST OF TROLLEY/CRANE. LOAD TEST TROLLEY/CRANE SYSTEM WITH 125% OF THE RATED LOAD USING LOAD TEST EQUIPMENT. (RATED LOAD = 4000 LB. LOAD-TEST WEIGHT TOLERANCE +0%, -5%)
- TRANSPORT THE TEST LOAD OVER THE TROLLEY'S ENTIRE RANGE. LIMITING HEIGHT TO APPROX 1 FOOT OR LESS ABOVE THE FLOOR OR OBSTRUCTIONS.
- INSPECT AND VERIFY THAT NO DAMAGE OCCURS TO TROLLEY/CRANE SYSTEM.

DESIGNED BY: HOLLENECK/STATE  
CHECKED BY: S. LANGEVIN/STATE  
DESIGNED BY: S. LANGEVIN/STATE  
CHECKED BY: S. LANGEVIN/STATE  
DESIGNED BY: S. LANGEVIN/STATE  
CHECKED BY: S. LANGEVIN/STATE

U.S. DEPARTMENT OF ENERGY  
RICHLAND OPERATIONS OFFICE  
ICF KANSER ENGINEERING COMPANY  
STRUCTURAL  
MISC STEEL  
SECTIONS & DETAILS  
PROJECT: W-058, REPLACEMENT OF CROSS SITE TRANSFER SYSTEM  
SHEET NO. 1 OF 1  
H-2-822273  
2

DATE: 11/2/98  
BY: JHM  
CHKD: JHM  
APP'D: JHM  
SCALE: 1/2" = 1'-0"